

Curriculum Vitae: Michael O'Brien, R.A.

Education:

- Master of Architecture Virginia Polytechnic Institute and State University, 1982
- Bachelor of Architecture North Dakota State University, 1976
- Bachelor of Arts North Dakota State University, 1975

Professional Certification: Registered Architect: North Dakota 1981 to present, Virginia 2005 to 2009.

- National Council of Architectural Registration Boards Certificate: 1981.

Academic Appointments: *Texas A&M University*

- Professor Department of Architecture Aug. 2011 to Present
- Professor & Associate Head for Professional Programs Aug. 2010 to Aug. 2011
- Professor Department of Architecture Aug. 2008 to Present
- Professor & Associate Department Head Aug. 2008 to May 2009
- Virginia Polytechnic Institute and State University, Department of Building Construction*
- Adjunct Professor of Construction Aug. 2008 to Dec. 2008
- Adjunct Faculty, Charles Edward Via Department of Civil and Environmental Engineering: Aug. 2006 to Aug. 2008
- William E. Jamerson Professor of Construction Aug. 2005 to Aug. 2008
- Housing Research Center at Virginia Tech
- Associate Director for Technology Research June 2005 to to Aug. 2008
- Virginia Polytechnic Institute and State University, Department of Architecture*
- Professor June 2002 to Aug. 2005
- Associate Professor, May 1993 to May 2002
- Assistant Professor, Aug. 1987 - May 1993.
- North Dakota State University, Department of Architecture*
- Studio Critic 1985
- Assistant Professor 1979 - 1980.
- Instructor 1976 - 1977.

Administrative Appointments:

- Associate Head for Professional Programs, Department of Architecture Texas A&M Univ. Aug. 2010 to 2011
- Associate Department Head, Department of Architecture Texas A&M Univ. 2008 to 2009.
- Virginia Center for Housing Research, Associate Director for Technology Research, 2005 to present
- Virginia Polytechnic Institute and State University, Department of Architecture: Chair, Graduate Programs in Architecture, Aug. 1994 - Aug. 1998.

Professional Positions:

- Principal, Twichell, Thompsen, Martens, O'Brien Architects P.C. Fargo, N.D. 1982 -1987.
- Project Architect, Seth W. Twichell & Associates Architects and Planners P.C. Fargo, N.D. 1981.
- Associate, Mutchler and Lynch Associates Architects and Planners P.C. Fargo, N.D. 1979.
- Job Captain, Mutchler and Lynch Associates Architects and Planners P.C. Fargo, N.D. 1977-1978.

Research and Teaching Interests:

- Historical Development of Light Wood Framing and Associated Systems
- Information Integration as Enabling Technology for Systems Integration
- Affordable Housing Design and Construction
- Progressive-Era Town Design and Planning
- Organic and Inorganic Structures in Physical Planning and Urban Design
- Organic and Inorganic Structures in Ornament and Architectural Space
- Ubiquitous Computing and Assistive Environments

Honors and Awards:

National Awards:

- 2003 NCARB Prize for Creative Integration of Practice in the Academy. Award from the National Council of Architecture Registration Boards for "The Art of Integration/The Science of Building." Project leaders, Robert Schubert, Robert Dunay, Michael Ellis.
- Honorable mention for "Raymond Unwin, John Nolen and the Garden City Design Principles" awarded by the Architectural Research Center Consortium in the Conference Paper Competition at the ARCC 2003 Annual Meeting in Phoenix, Arizona.
- Nolen Scholarship award, Rare Book and Manuscript Division, Kroch Memorial Library, Cornell University, 2000.

- National Notable Documents Award, American Library Association: O'Brien, M., with Johnson, B., "Safer Places: A Crime Prevention Through Environmental Design Tutorial" Interactive CD ROM tutorial first printing published by The Virginia Department of Criminal Justice Services. One of two Virginia publications recognized in 1997

University and College Awards

- 2013 Graduate Faculty award, Department of Architecture, Texas A&M University.
- 2012 Graduate Faculty award, Department of Architecture, Texas A&M University.
- 2010 Graduate Faculty award, Department of Architecture, Texas A&M University.
- 2007 Creative Achievement Award, College of Architecture and Urban Studies.
- 2007 Excellence in Teaching Award, College of Architecture and Urban Studies, University Certificate.
- 2006 Wine Award Nominee, College of Architecture and Urban Studies. One of 9 finalists drawn from the 2,706 faculty.
- 2006 Excellence in Outreach Award, College of Architecture and Urban Studies, Virginia Tech Solar House 2006. Project team led by Robert Dunay, Joe Wheeler, Robert Schubert, Michael Ellis.
- 2006 Excellence in Teaching Award, Myers-Lawson School of Construction, Department of Building Construction.
- 2003 XCaliber Team Award. Member of "The Art of Integration/The Science of Building." Project team led by, Robert Schubert, Robert Dunay, Michael Ellis awarded by Virginia Polytechnic Institute and State University
- Distinguished Scholarship Award, College of Architecture and Urban Studies, Virginia Tech. 2000.
- Certificate of teaching excellence, College of Architecture and Urban Studies, Virginia Tech. 1992

American Institute of Architects Component Awards:

- Merit award, Unitarian Universalist Fellowship of the New River Valley as an Associated Architect with James Ritter FAIA. Constructed in 1991, honored by the Northern Virginia Chapter of the American Institute of Architects in 1992.
- Merit award, The Upper Nine, Fargo, N.D. Project architect, Twichell, Thompsen, Martens, O'Brien. Constructed in 1985 - 87, honored by the North Dakota Chapter of the American Institute of Architects in 1988.
- Merit award, The Casselton State Bank, Casselton, N.D. Project designer, Mutchler, Twichell, and Lynch. Constructed in 1978, honored by the North Dakota Chapter of the American Institute of Architects and with publication in the American Institute of Architects Journal in 1980.

Funded Research Projects:

Principle Investigator or Co-Principle Investigator

- Co-Principle Investigator with Tom Martin, Electrical and Computer Engineering; Ed Dorsa, Industrial Design; Ron Kemnitzer, Industrial Design, Eloise Coupey, Marketing, "Interdisciplinary Research in Pervasive Computing" Awarded by The Institute for Critical Technology and Applied Science, Virginia Tech, 2007-2008, \$80,000.00.
- Co-Principle Investigator with Tom Martin, Electrical and Computer Engineering; Ed Dorsa, Industrial Design; Ron Kemnitzer, Industrial Design, "Intersections between Pervasive Computing and Construction Safety" Awarded by The Center for Innovation in Construction Safety and Health, Virginia Tech, 2007-2008, \$5,000.00.
- Co-Principle Investigator with Tom Martin, Electrical and Computer Engineering; Ed Dorsa, Industrial Design; Ron Kemnitzer, Industrial Design, Francis Quek, Computer Science; Ivica Ico Bukvic, Music., "Interdisciplinary Study Group" Awarded by The Center for Excellence in Undergraduate Education, Virginia Tech, 2006-2007, \$1,800.00
- O'Brien, M., Bowles, L., "PATH 13 Whole House Calculator" Awarded by the Department of Housing and Urban Development, 2005, Washington, D.C. \$229,350.00.
- Wakefield, R., O'Brien, M., "Designing Whole House Solutions" Awarded by the Department of Housing and Urban Development, 2003, Washington, D.C. \$249,941.00.
- Mills, T., Wakefield, R., O'Brien, M. "Industrializing the Residential Construction Site Phase V. Virtual Manufacturing." Awarded by the Department of Housing and Urban Development, 2003, Washington, D.C. \$207,277.00. Addendum - additional tasks added Sept. 2004 increasing total project to \$449,277.00
- Wakefield, R., O'Brien, M. with Newport Partners LLC, "Creating Whole House Solutions" Awarded by the National Science Foundation, PATH-9, 2003, Washington, D.C. Subcontract value \$99,741.00.
- Co-Principal Investigator with Prof. Yvan Beliveau, Prof. Ron Wakefield, Department of Building Construction, Prof. Ted Koebel, Virginia Housing Research Center, Proposal establishing "The Building

Technology Research Consortium" (VT, Michigan State, Arizona State) to conduct housing research for the Office of Policy and Research, United States Department of Housing and Urban Development.

Awarded as an Indefinite Quantity Contract budgeted at fifty million dollars over three years.

- Wakefield, R., O'Brien, M., Beliveau, Y., "Industrializing the Residential Construction Site Phase IV Simulation Systems." August 2002 – August 2003. Department of Housing and Urban Development, Washington, D.C. \$175,000.00.
- Mills, T., Wakefield, R., O'Brien, M., "Residential Construction Information Mechanisms and Procedures" Department of Housing and Urban Development, Washington, D.C. \$172,500.00.
- Wakefield, R., O'Brien, M., Beliveau, Y., "Industrializing the Residential Construction Site Phase III, Production Systems." August 2001 – August 2002. Department of Housing and Urban Development, Washington, D.C. \$249,909.00.
- Wakefield, R., O'Brien, M., Beliveau, Y., "Industrializing the Residential Construction Site Phase II, Information Modeling." June 2000 – June 2001. Department of Housing and Urban Development, Washington, D.C. \$249,680.00.
- O'Brien, M., Wakefield, R., Beliveau, Y., "Industrializing the Residential Construction Site." June 1999 – June 2000. Department of Housing and Urban Development, Washington, D.C. \$199,447.00.
- Koebel, C. T., O'Brien, M., Beliveau, Y., Easterling, W. S. Dolan, D., "Research Services for Building Regulations and Technology" Indefinite Quantity Contract signed December 1998 extending to December 2003. Funding level minimum \$200,000.00 maximum \$8,000,000.00.
- O'Brien, M., with Johnson, B., "Safer Places: A Crime Prevention Through Environmental Design Tutorial" August 1995 – August 1996. The Virginia Department of Criminal Justice Services. \$98,204.
- O'Brien, M., with Gilboy, E., Landes, B., "Family Resource Center Preliminary Planning" October 1994 – February 1995. \$427.00.
- O'Brien, M., with Gaddis, V., "Diversified Applications of Modular Construction Processes" September 1989 – March 1990. Nationwide Homes, Inc. \$3,583.00.
- O'Brien, M., with Tenace, S., Wall, M., Kostelecky, S., "New Prototypes for Starter Housing" November 1987 – June 1988. Nationwide Homes, Inc. \$7,500.00.

Contributions to sponsored programs as consulting investigator:

- "Review of International Housing Technology Research" Koebel, C. T., Wakefield, R., Beliveau, Y August 2001 - January 2002, Department of Housing and Urban Development, Washington, D.C. \$79,931.00.
- "Feasibility study for the Center for Advanced Housing Structural Systems" August 1997 - August 1998, Center For Innovative Technology, Arlington, VA \$25,000.00. Principal Investigators Dr. Dan Dolan, Wood Science, Dr. Yvan Beliveau, Building Construction. Authored chapters on housing systems history, information technology for housing, systems integration for housing. Authored education chapter forming housing concentrations in Civil Engineering, Mechanical Engineering, Architecture and cross-disciplinary housing degree program.
- "Integrated Building Design Experience" Funded by the National Science Foundation through project SUCCEED, VT # 98-0879-01 \$65,446.00 Principal Investigator, Dr. Sam Easterling, Civil Engineering, Co-Principal Investigator, Dr. Maurice White, Wood Science & Forest Products. July 1, 1997 to June 30 1998.
- "Web based C.P.T.E.D. tools and training" Virginia Department of Criminal Justice Services, Richmond, Va. July 1997 - July 1998. \$78,000.00. Principal Investigator Diane Zahm, Urban Affairs and Planning.
- "Health Care applications for Crime Prevention through Environmental Design Charrettes" Virginia Department of Criminal Justice Services, Richmond, Va. October 1996 - July 1997. \$88,000.00. Principal Investigator Diane Zahm, Urban Affairs and Planning.
- "Survey of Continuing Education Needs in Housing" Funded by REACH OUT, Virginia Tech Division for Outreach, \$7,500.00. Principal investigator Dr. J.D. Dolan, Wood Science & Forest Products, January 1998 - June 1998. Developed contact list and questions for architects to be surveyed, developed cross - platform database, input forms, report forms for tabulating returns.

Total P.I. co P.I. and contributing \$2,615,236.00

Curatorships, Editorships:

- Co-Curator with Michael Harrison "Wood – An American Tradition" National Building Museum, Washington D.C. September, 2000 through April 2001. This exhibition was budgeted at \$315,000.00, sponsored by the Society of American Foresters and occupied over 7,000 square feet of space in the National Building Museum. The exhibition was open to the public from September, 2000 to April, 2001. Over 40,000 people attended this exhibition placing it as the 4th highest attendance in the history of the National Building Museum. This exhibition was co-curated by Michael Harrison staff curator for the National Building Museum.
- Editor, Proceedings of the Twenty-fifth annual research meeting of the Architectural Research Centers Consortium Inc.

Publications:

- O'Brien, M. "Load-Bearing-Wall Construction from Shanties to SIPS." Construction History Society International monograph "Construction History." V28, Number 1, 2013 pp. 49-63.
- O'Brien, M. "Hybrids on the Way to the Western Platform Frame." Journal of Preservation Education and Research, vol. 3, 2010, pp. 37-52.
- Mills, Thomas, Wakefield, R. O'Brien, M. "Industrializing Residential Construction for Small to Medium Size U.S. Homebuilders." Chapter 4 in "CRC Construction Innovation: Building Our Future. Brown, Hampson, Brandon, ed. CRC, Brisbane, AUS, 2006. Pp 25-29.
- O'Brien, M., Wakefield, R., Nowak, M., 2005, "A Preliminary Method to Develop a Calculator for Evaluating Physical Design Characteristics and Whole House Performance Scoring" U.S. Department of Housing and Urban Development, Office of Policy Development and Research, Washington D.C. 42 pages.
- O'Brien, M., Wakefield, R., 2004, "Industrializing the Residential Construction Site Phase Four. Simulation Systems" U.S. Department of Housing and Urban Development, Office of Policy Development and Research, Washington D.C. 64 pages.
- O'Brien, M., Wakefield, R., Beliveau, Y. 2002, "Industrializing the Residential Construction Site Phase Three. Production Systems" U.S. Department of Housing and Urban Development, Office of Policy Development and Research, Washington D.C. 69 pages.
- Wakefield, R., M. O'Brien, Y. Beliveau, 2001, "Industrializing the Residential Construction Site Phase Two: Information Modeling" U.S. Department of Housing and Urban Development, Office of Policy Development and Research, Washington D.C. 77 pages.
- O'Brien, M., Wakefield, R., Beliveau, Y., 2000, "Industrializing the Residential Construction Site" U.S. Department of Housing and Urban Development, Office of Policy Development and Research, Washington D.C. 87 pages.

Papers in Refereed Proceedings:

- O'Brien, M. "Repeating Success and Avoiding Failure in Prefabrication." Accepted for presentation and proceedings; Construction History Society Annual Meeting, Cambridge, MA. Nov. 2,3, 2012
- O'Brien, M. "Aesthetic and Production Theories as Enablers of Prefabricated Housing." a peer reviewed paper, presented at the 2008 ACSA Northeast Fall Conference, on September 25-27, 2008 at the University of Massachusetts Amherst. Published in CD-ROM based proceedings.
- O'Brien, M., Ron Wakefield, "Considering the Whole. Developing a Whole-House Calculator" Published in CD-ROM proceedings of the Architectural Research Centers Consortium Spring Research Meeting "Green Challenges in Research, Practice and Design Education" University of Oregon, Eugene, 2007, pages 1-8 under "OBrien, M." link.
- O'Brien, M., Wakefield, R., 2003, "A Preliminary Method for Evaluating Physical Design Characteristics and Whole House Performance Scoring", presented to the National Science Foundation at the Housing Research Agenda Workshop, February, 2004. Volume II pp. 290 - 298. Published at <http://www.pathnet.org/sp.asp?id=12201>.
- O'Brien, M., Martin, C., "Building the Whole House, reater than the sum of its parts: The whole house and systems integration focus area summary" Proceedings of the National Science Foundation Housing Research Agenda Workshop, February, 2004. Volume I pp. 77 - 88. Published at <http://www.pathnet.org/sp.asp?id=12201>.
- O'Brien, M.. Raymond Unwin, John Nolen and the American Garden City Principles. Presented to the inaugural research symposium of the College of Architecture and Urban Studies. Published in the proceedings, 2004.

- O'Brien, M., "Raymond Unwin, John Nolen and the Garden City Principles" Published in the proceedings of the annual Spring Research Conference of the Architectural Research Centers Consortium "Stimulating Research" April 2003, Arizona State University. PDF index "O'Brien" pp. 1-13.
- Gebken, R, Wakefield, R and M. O'Brien, "Process and Information Mapping in the Construction Industry: A Residential Case Study" Presented to the XXX IAHS World Congress on Housing, University of Coimbra, Portugal, September 9-13, 2002. Published in Proceedings V.3, pp 1193 – 1201.
- Wakefield, R. and M. O'Brien, "Information and Systems Integration for Residential Construction" presented at the 1st. International Conference on Innovation in Architecture, Engineering and Construction (AEC) Loughborough University, UK, July 18-20 2001.
- O'Brien, M "The Five Ages of Wood" presented to the Society for Wood Science and Technology at the SWST Annual Meeting, Lake Tahoe, NV, June, 2000. Published in the Proceedings pp. 1 – 6.
- O'Brien, M "A Brief History of Systems Additions and Material Innovations in the Light Frame House" Presented to the International Science and Technology Meeting of the ACSA, CIB, ARCC, SBSE, Montreal, Canada, 1999, Proceedings p. 235 - 240.
- Weiner F. and M. O'Brien, "Sweet Tectonic" presented at the Northeast Regional ACSA Conference, University of Michigan, Ann Arbor, MI Nov. 4 2000. Published in proceedings pp 131 - 137.
- O'Brien, M. "Homeless Transitional Living Center" Presented to the Spring Research Conference, Architectural Research Centers Consortium, April 1997, Atlanta, GA. Abstract published in Proceedings p.188.
- Davis, A. and M. O'Brien, "The Re-presentation of Designed Technical Courses" Presented to the annual ACSA technology conference, Seattle Wa. 1995. Published in proceedings.
- O'Brien, M., "New Prototypes for Starter Housing - A Model for Public / Private Partnership" Accepted at the XX I.A.H.S. World Congress on Housing, Birmingham England for presentation and publication in Proceedings page 406 - 415, Sept. 21 - 25, 1992.
- O'Brien, M., "Design Innovations in Affordable Housing" International Association on Housing Science XIX I.A.H.S. World Congress on Housing. Presented at the Congress in Ales, France in Sept. 1991, Proceedings Volume 3 "Annexes" p. 13 - 23.

Publications in Popular Press and Professional Journals:

- "Falling Grade" Interviewed by Bruce Nolan as a Building Culture expert on the subject of the origins and diffusion of slab-on-grade construction in the U.S. Published 10-25-06 in the New Orleans Newspaper, The Times Picayune.
- HUD PD&R "Homebuilding Industry Slowed by Old Fashioned Processes." An overview of Phase I through Phase IV of Industrializing the Residential Construction Site" Published in "Research Works" a monthly publication from HUD's Office of Policy Development and Research. October 2005 pp. 6-7.
- O'Brien, M., with Johnson, B., "Safer Places: A Crime Prevention Through Environmental Design Tutorial" Interactive CD ROM tutorial first printing published by The Virginia Department of Criminal Justice Services in 1995. Second printing in 1997, Third printing 2000.
- O'Brien, M, with Tenace, S, Wall, M, Kostelecky, T., "New Prototypes for Starter Housing" INFORM magazine, 1996 vol. 1 p.19.
- Post, Nadine M. "Oklahoma Blast forces unsettling design questions" Featuring our work on the Safer Places interactive CD ROM, Engineering News Record, May 1. 1995 p. 10 - 26.
- Arcidi, Phillip, "Nationwide Homes: A Factory Built Prototype" Featuring in the B1 Prototype affordable house developed by Steve Tenace and myself. Progressive Architecture, August 1992, pp. 76.
- Canty, Donald, "State of the Art" featuring my renovation of the Casselton State Bank AIA Journal Mid-May 1981. p 138 - 139.

Additional Presentations at Professional Meetings:

- O'Brien, M., "Maintaining 'House' in Affordable Housing" Presented to Governors Conference on Housing, Phoenix, Arizona, April 1996.

Invited Presentations:

- O'Brien, M. "Load-Bearing-Wall Construction from Shanties to SIPS." College of Architecture Research Symposium Texas A&M University.
- Invited presentation "Persistence as an indicator of Success: A History of Panelized and Modular Housing Systems." Presented to the ACSA Fall Meeting "OFFSITE" Temple University, Sept. 27-29, 2012 Philadelphia, PA.
- Invited Keynote Speaker, "Weighting the Whole: Development of System Weighting Factors for the Whole House Calculator", IAHS 35th World Congress on Housing held September 4-6 2007 at the Royal

Melbourne Institute of Technology, Melbourne, Australia.

- Invited to present "What Lies Beneath: Form and Structure" to the students and faculty at the College of Architecture, Planning and Design, Kansas State University, February 2007.
- Invited to consult on constructability, production planning, design and safety issues for Extreme Makeover - Home Edition, Crawford House episode, broadcast 2.12.06.
- Invited to present my professional work and research to the students and faculty at the department of architecture, The Penn State University, January 2004.
- Invited to present "Structure, Form, Ornament" to the students and faculty at the School of architecture, University of Illinois, Urbana, February, 2004.
- Invited to be an "on camera" expert for "Modern Marvels - The House" hosted by Ron Hazelton, broadcast on the Discovery Channel, October 15, 2001. Provided research materials, script points on historical origins and contemporary uses of materials, tools and processes used in the typical light wood frame house.
- O'Brien, M., "The Case for Research Literacy in Architecture" Presented to the 89th Annual ACSA meeting, Baltimore, MD. March, 2001.
- O'Brien, M "The Five Ages of Wood" Plenary Session One. Society for Wood Science and Technology Annual Meeting, Lake Tahoe, NV, June, 2000.
- O'Brien, M., "Research and the Future of Architectural Education" Presented to the 87th Annual ACSA meeting, Minneapolis, MN. March, 1999.
- O'Brien, M., "The Role of Limited Design-Build Activities in Technical Curricula" at the 1997 ACSA Technology Institute in San Francisco CA, July, 1997.

Adult and Continuing Education Courses:

Indoor Air Quality and Durability

- "20th Century Homes on the Brink of Disaster? The Science of Moisture: Damage and Control" A seven-hour continuing education program developed with Professor Joe Laforski, Department of Wood Sciences and Forest Products, Virginia Tech prepared for the Virginia Home Inspectors Association, Roanoke, Virginia, February 10, 2007.
- "Center for Integrated Systems in Housing (CISH) Seminar" Simpson Strong Tie, San Leandro, CA. Seminar co-presented with Prof. Dan Dolan, Prof. Yvan Beliveau. September 1998.

Crime Prevention Through Environmental Design

- Continuing education session with Dr. Diane Zahm for Certification as Crime Prevention Specialists, "Crime Prevention and the architectural design process" Norfolk, VA. May, 1996
- Presentation with Dr. Diane Zahm to Virginia Crime Prevention Association "Safer Places - an interactive approach to Crime Prevention through Environmental Design Teaching" Richmond, VA. March, 1996
- Presentation with Dr. Diane Zahm to Renaissance 2000, a Commonwealth gathering of law enforcement leaders. Presented "Safer Places - an interactive approach to Crime Prevention through Environmental Design" Richmond, VA. April, 1996
- Presentation with Dr. Diane Zahm to the annual meeting of Crime Prevention Trainers. Presented "Safer Places - an interactive approach to Crime Prevention through Environmental Design" Blacksburg, VA. April, 1996

Professional Memberships:

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| • Member, Construction History Society of America | 2011 - Present |
| • Member, Building Technology Educators Society (BTES) | 2008 – Present |
| • Member, Industrial Design Society of America (IDSA) | 2012 - Present |
| • President Architecture Research Centers Consortium | 2000 - 2002 |
| • Executive Board Member, Architecture Research Centers Consortium | 1996 - 2000 |
| • Tau Sigma Delta, Architecture Honor Society | 1993 |
| • Blue Key, National Honor Society | 1976 |

Professional and Academic Service:

Service to an Academic Institution or Professional Association:

- Invited Lecturer: "Some Assembly Required - A History of Residential Prefabrication" presented to the Virginia Center for Architecture, September 25, 2007.
- Keynote Speaker, Member of the Scientific Committee, International Association of Housing Science,

XXXV World Congress on Housing to convene September 2007, Melbourne, Australia.

- External Reviewer, Virginia Tech, Department of Building Construction, Promotion and Tenure Committee 2010.
- External Reviewer, Oklahoma State University, Department of Architecture, Promotion and Tenure Committee 2010.
- External Reviewer, Kent State University, Department of Architecture, Promotion and Tenure Committee 2006.
- External Reviewer, Mississippi State University, College of Architecture, Promotion and Tenure Committee 2006.
- Co-Chair with Dr. Carlos Martin, "NSF Housing Research Agenda Workshop - Whole House and Systems Interactions". Session Co-Chair, scheduled for February 2004.
- Developed online database of artifacts contained in the Sullivan Collection for Southern Illinois University – Edwardsville Campus.
- External Reviewer, State University of New York at Buffalo, Department of Architecture, Promotion and Tenure Committee 2003.
- Chair, 2002 Design Awards Jury for the West Virginia Society of the American Institute of Architects. Responsible for selecting additional jury members David Salmela, FAIA, David Diamond, AIA and Robert Gerloff, AIA. Responsible for documentation and presentation of jury critique and for presentation of Honor Award, Merit Awards, and Special Citation at WVAIA Annual Meeting, November 2002.
- External Reviewer, North Dakota State University, Department of Architecture, Promotion and Tenure Committee 2002.
- Presented lecture "The Neighborhoods of John Nolen" to attendees of "Building Virginia" the Virginia Society of the American Institute of Architects annual meeting, Richmond, VA, 2001.
- External Reviewer, Texas A&M University, Department of Architecture, Promotion and Tenure Committee 2000.
- President, Architectural Research Centers Consortium (ARCC) 2000 - 2001.
- Co Chair, with Professor James Jones, the annual Spring Research Meeting of the Architectural Research Centers Consortium, Virginia Tech, Blacksburg, VA April, 2001.
- Technical Referee, Architectural Research Centers Consortium joint conference with the European Association of Architecture Educators, Paris, Fr. July 2000.
- Member of the Board of Directors, Architectural Research Centers Consortium (ARCC) 1997 - 2001.
- Invited Moderator: Session IV International meeting of ARCC, Raleigh, NC. April, 1998.
- External Reviewer, Catholic University, Department of Architecture, Promotion and Tenure Committee 1998.
- Co - Chair, National Association of Homebuilders Research Consortium, Virginia Tech, 1992 - 1994
- Chair, Technical Session 12, "Local Communities in Housing Development and Management" XX World Congress on Housing, Birmingham, England, 1992
- Judge & presenter for the annual Townscape Civic Beautification Awards, Blacksburg, Virginia, 1992.
- Presented lecture "Theory in Practice: The Architecture of Herman Hertzberger" to attendees of "Building Virginia" the Virginia Society of the American Institute of Architects annual meeting, Richmond, VA, 1991.

Manuscripts and grant proposals reviewed:

- A.S.P.I.R.E.S. (A Support Program for Innovative Research Strategies) proposal review team 1996 - 1997, 1998 - 1999, 1999-2000. The A.S.P.I.R.E.S. program is a Virginia Tech program that makes grants to faculty for the purpose of enhancing research capability. As a member of the review teams we read, critique, and rank approximately 26 proposals annually for award by the Division of Research and Graduate Studies.

Texas A&M University, Committees and public service:

- University W Course Committee, member Fall 2008 – 2011
- Department of Architecture Promotion and Tenure Committee, Chair, Fall 2008 – Present
- Department of Architecture Academic Committee (DAAC), Member, Fall 2010 - Present
- Department of Architecture Academic Committee (DAAC), Chair, Fall 2008-May 2009
- College of Architecture Promotion and Tenure Committee, member, Fall 2009 - Present
- Department of Architecture Visiting Lecture Committee, member Fall 2008 - Present
- Department of Architecture Tech. Committee, member Fall 2008 - Present
- Department of Architecture Design Committee, member Fall 2008 – Present
- Department of Architecture M.Arch. Committee, member Fall 2008 – Present

Virginia Tech Committees and Commission Service:

- Deans Search Committee for the College of Architecture and Urban Studies 2006.
 - University Academic Advisory Committee for update to University Strategic Plan 2005.
 - Provost Committee on University Restructuring 2002.
 - Peer assessment review group member for Dean John Eaton of the Graduate School 1997-1998.
 - University Strategic Planning and Budgeting Committee 1997-1998.
 - Commission on Graduate Studies C.A.U.S. Representative, 1989-1993.
 - Course Program Criteria Committee - Chair 1990-1992.
 - Graduate School Scholarship Committee, 1991-1992.
 - Faculty Senate Representative, 1992-1993.
 - Faculty Senate Cabinet, 1992-1993.
 - Faculty Affairs Committee, 1992-1993.
 - Commission on Research, 1992-1993.
 - Honor Board, Judicial Panel, 1991.
 - Course Program Criteria Committee, 1989.
- College of Architecture and Urban Studies Committee Service:
- Promotion and Tenure CAUS 2005-2009.
 - Diversity Committee CAUS 2005-2007.
 - Honorifics Committee CAUS 2003-2004.
 - Honorifics Committee CAUS 2000-2002.
 - Deans Search Committee CAUS 1996-1997.
 - Landscape Architecture Peer Review Committee, 1995-1996.
 - Environmental Design and Planning Committee, 1994-1996.
 - Curriculum Committee, 1991-1993.
 - Research and Extension Committee, 1991-2002.
 - Community Design Center Advisory Board, 1991-1995.
 - Master of Science Advisory Committee, 1991-2003.
 - C.A.U.S. 25th Anniversary Steering Committee, 1988-1990.
 - C.A.U.S. 25th Anniv. Structure Subcommittee, 1988-1990.
- Myers-Lawson School of Construction Committees*
- Executive Committee 2005-2007
 - Faculty Search Committee 2006-2007
 - Honorifics Committee 2006-2007
- Department of Building Construction Committees*
- Peer Review Committee Member 2006-2007.
 - Honorifics - Student Awards and Scholarship Committee 2006-2007
- Department of Architecture Committees*
- Architecture Peer Review Committee Member 2001-2003.
 - Environmental Building Systems Position Search Chair 2000-2001.
 - Lathrop Professorship Screening Committee, 2000.
 - Architecture & Building Construction peer review committee 1998-2000.

Listing of Completed Professional Commissions:

In Association with James Ritter, Architect

- Fellowship Building & Grounds, Unitarian Universalist Fellowship of the New River Valley, Blacksburg, VA. Associated Architect (design, construction) Constructed 1991.

As Independent Practitioner:

- Turtle Lake Cabin, Marcell, Minnesota; restoration, modernization and addition to 1907 log cabin. Project design 1995 project construction 1995 - 2001.
- Griffith residence remodeling, Kingsport, Tennessee; "gut to structure" demolition and reconstruction of 3,800 s.f. house on the Holston River. Project design 1990, construction 1990 - 91.
- Pfeiffer addition, Blacksburg, Virginia, family room, bedroom addition to 1940's residence, constructed 1989.
- O'Brien residence, Blacksburg, Virginia; design and construction of affordable housing prototype. constructed 1989.

As Partner, Twichell, Thompsen, Martens, O'Brien

- St. Andrews Hospital Congregate Housing Bottineau, North Dakota; an adaptive re-use of a 1937 hospital into HUD Section 202 congregate housing. Responsible for physical / financial feasibility, design, construction, construction observation. Constructed in 1986 - 87.
- Rolla Community Hospital remodeling, Rolla North Dakota; remodeling of 1960's hospital wing from acute care to long term care. Responsible for physical / financial feasibility, schematic design, construction documents. Constructed 1987.
- Interstate Seed Small Business Incubator, Fargo, North Dakota; adaptive re-use of historic industrial complex. Responsible for physical / financial feasibility, schematic design. Constructed 1988.
- R&R apartment complex, West Fargo, North Dakota; a master plan, prototype 20 & 24 unit apartment development and site planning for a 220 unit rental development. Responsible for design, contract documents. Constructed 1986 - 1989.
- Stern Brothers Apartments, Fargo, North Dakota; a four unit infill prototype for the residential core area of Fargo. Schematic design 1986, constructed 1989.
- Park Company Apartments, Fargo, North Dakota; an eight unit infill prototype for the residential core area of Fargo. Schematic design, construction documents 1986, constructed 1986.
- Twichell, Thompsen, Martens, O'Brien offices, Fargo, North Dakota; lease-hold improvements for firms offices. Project designer, project architect. Constructed 1985.
- Upper Nine office condominium, Fargo, North Dakota; Eleven thousand square foot prototype for The Upper Nine mixed-use development. Project Designer, Project Architect. Constructed 1985.
- Upper Nine Residential Condominiums, Fargo, North Dakota; twelve-unit residential cluster development. Project Master Planner, Project Designer, Constructed 1985 - 1987.
- American State Bank & Trust Co. Williston, North Dakota; addition and remodeling to property adjacent to main banking structure. Project designer, project architect, constructed 1984.
- First Bank Fargo remodeling, Fargo, North Dakota; interior remodeling of twenty-two thousand square feet of banking and operations space, analysis, removal and replacement of failed exterior stone cladding. Project designer, project architect, constructed 1982 - 83.
- First Bank Fargo Skyway link, Fargo, North Dakota; linkage of downtown skyway system around and through existing bank structure. Project designer, project architect, constructed 1983.
- The 400, Fargo, North Dakota; adaptive re-use of National Trust landmark building into HUD Section 8 elderly apartments & restaurant. Author of successful nomination to the National Register of Historic Places, design of restaurant. Constructed 1982.
- Pioneer Manor, Fargo, North Dakota; new construction of 46 Elderly apartment units in six story structure. Responsible for project design, constructed 1981.
- St. Aloysius Apartments, Lisbon, North Dakota; adaptive re-use of 1890's schoolhouse into eight elderly apartments. Project designer, project architect, constructed 1979.
- Casselton State Bank addition and remodeling, Casselton, North Dakota; restoration of 1898 bank building, adaptive re-use of 1899 commercial structures as banking operations spaces. Project designer, project architect, constructed 1978.
- Park Manor Elderly Housing, Detroit Lakes, Minnesota; Eighty - Five elderly housing apartments in a four story structure. Project designer, constructed 1978.
- Hillsboro Elderly Housing, Hillsboro, North Dakota; Master plan and prototype development for forty FmHA 515 subsidized elderly housing apartments. Project designer, Project Architect. First twenty apartments constructed 1977-78.
- Ulen Elderly Housing, Ulen, Minnesota; twelve FmHA / HUD Section 8 subsidized elderly apartments. Constructed 1977